

OPTICAL MODULE FOR A DIGITAL CAMERA

Abstract

An optical module for a digital camera includes a substrate, a light sensor installed on the substrate for sensing light, a lens holder mounted on the light sensor, a light shield disposed in a position between a top surface of the substrate and a bottom end of the lens holder, a lens installed on the lens holder for focusing light onto the light sensor, at least a fixing device, such as a screw, and at least a buffering cushion installed on a position between a top part of the screw and the substrate for reducing the impact of the top part against the substrate. The light sensor of the optical module only receives light transmitted from the lens.